

In accordance with REACH Regulation EC No.1907/2006

Product: FN21264

1

Version:

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier:	FN21264
Other identifiers:	None
Unique Formula Identifier (UFI):	R480-E086-Y00G-W996

1.2 Relevant identified uses of the substance of mixture and uses advised against

Product uses: Fragrances

1.3 Details of the supplier of the safety data sheet

Carvansons Ltd
Knowsley Park Way, Haslingden, Rossendale BB4 4RS
Oliwia Serwilska
export@carvansons.co.uk
+44 161 766 3768

1.4 Emergency telephone number

Emergency phone:	+44 161 766 3768
------------------	------------------

Section 2. Hazards identification

2.1 Classification of the substance or mixture

	Classification under Regulation (EC) No 1272/2008
Class and category of danger:	Hazardous to the Aquatic Environment - Long-term Hazard Category 3 H412, Harmful to aquatic life with long lasting effects.
2.2 Label elements	
	Classification under Regulation (EC) No 1272/2008
Signal word:	None
Hazard statements:	H412, Harmful to aquatic life with long lasting effects.
Supplemental Information:	EUH208, Contains (E)-1-(2,6,6-TRIMETHYL-2-CYCLOHEXEN-1-YL)-2-BUTEN-1-ONE, 1,3- BENZODIOXOLE-5-CARBALDEHYDE, 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE, CITRUS AURANTIUM DULCIS, D'LIMONENE, coumarin. May produce an allergic reaction.
Precautionary statements:	P273, Avoid release to the environment. P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.



In accordance with REACH Regulation EC No.1907/2006

Product:FN21264Version:1

Pictograms: None

2.3 Other hazards

 Other hazards:
 Sensitisers declared on a CLP Hazard Label:
 (E)-1-(2,6,6-TRIMETHYL-2-CYCLOHEXEN-1-YL)-2-BUTEN-1-ONE, 1,3-BENZODIOXOLE-5-CARBALDEHYDE, 3,7-DIMETHYLOCTA-1,6-DIEN-3-YL ACETATE, CITRUS AURANTIUM DULCIS, D'LIMONENE, coumarin

 Hydrocarbon Concentration %:
 0.0000%

Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
2-TERT- BUTYLCYCLOHEXYL ACETATE	88-41-5	201-828-7	01-2119970713-33-XXXX	10.70%	EH C2;H411,-	oral: ATE = 4600 mg/kg bw
3-ETHOXY-4- HYDROXYBENZALDEH YDE	121-32-4	204-464-7	01-2119958961-24	01-2119958961-24 5.64% -;H302-H315-H31 H335,-		oral: ATE = 3000 mg/kg bw
4-HYDROXY-3- METHOXYBENZALDEH YDE	121-33-5	204-465-2	01-2119516040-60	4.88%	EDI 2;H319,-	oral: ATE = 3500 mg/kg bw
Amyl Iso Valerate	659-70-1	211-536-1		3.90%	EH C2;H411,-	
3-ETHYL-3-HYDROXY- 4H-PYRONE-4-ONE	4940-11-8	225-582-5	exempt from REACH registration as <1T	2.44%	ATO 4;H302-H401,-	oral: ATE = 1200 mg/kg bw
1-nonanol	124-19-6	204-688-5	01-2119969440-35	1.20%	EH C3;H412,-	
1,3-BENZODIOXOLE-5- CARBALDEHYDE	120-57-0	204-409-7	01-2119983608-21-XXXX	0.66%	SS 1B;H303-H317- H401,-	oral: ATE = 2700 mg/kg bw
(E)-1-(2,6,6- TRIMETHYL-2- CYCLOHEXEN-1-YL)-2- BUTEN-1-ONE	43052-87-5	245-845-8	exempt from REACH registration as <1T lier	0.60%	ATO 4-SS 1B-EH C2; H302-H317-H411,-	dermal: ATE = 2900 mg/kg bw-oral: ATE = 1670 mg/kg bw
CITRUS AURANTIUM DULCIS	8028-48-6	232-433-8	01-2119493353-35	0.50%	FL 3-SCI 2-SS 1-AH 1- EH C2;H226-H304- H315-H317-H411,-	
D'LIMONENE	5989-27-5	227-813-5	exempt from REACH registration as <1T	0.48%	FL 3-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226- H304-H315-H317- H410,-	M = 1
1,3,4,6,7,8-hexahydro- 4,6,6,7,8,8- hexamethylcyclopenta (g)-2-benzopyran	1222-05-5	214-946-9		0.32%	EH A1-EH C1;H410,-	
BENZYL BENZOATE	120-51-4	204-402-9	01-2119949300-45-XXXX	0.31%	ATO 4-EH A1-EH C2; H302-H400-H411,-	dermal: ATE = 4000 mg/kg bw-oral: ATE = 1500 mg/kg bw
coumarin	91-64-5	202-086-7	01-2119949300-45-XXXX	0.26%	ATO 4-SS 1B;H302- H317,-	oral: ATE = 500 mg/kg bw
3,7-DIMETHYLOCTA- 1,6-DIEN-3-YL ACETATE	115-95-7	204-116-4	01-2119454789-19	0.21%	SCI 2-SS 1B;H315- H317-H319,-	



In accordance with REACH Regulation EC No.1907/2006

Product: FN21264

1

Version:

7-METHYL-2H-BENZO- 1,5-DIOXEPIN-3(4H)- ONE	249-320-4	01-2120734453-58	0.20%	SCI 1B-EDI 1-STO-SE 3(NE);H314-H336,-	
--	-----------	------------------	-------	--	--

Substances with Community workplace exposure limits:

Not Applicable

Substances that are endocrine disruptors according to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, greater than 0.1%:

Not Applicable

Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:

Not Applicable

Section 4. First-aid measures

4.1 Description of first aid measures

Inhalation:	Remove from exposure site to fresh air, keep at rest, and obtain medical attention.				
Eye exposure:	Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.				
Skin exposure:	Remove contaminated clothes. Wash thoroughly with soap and water. Contact physician if irritation persists.				
Ingestion:	Rinse mouth with water and obtain medical attention.				

4.2 Most important symptoms and effects, both acute and delayed

None expected, see Section 4.1 for further information.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.



Page 4 (9) Issue date: 07/11/2023 Version: 1 (10/05/2023)

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: FN21264

1

Version:

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3 Specific end use(s):

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits: Not Applicable

8.2 Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

Respiratory Protection

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) Use closed



Page 5 (9) Issue date: 07/11/2023 Version: 1 (10/05/2023)

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: FN21264

Version:

systems for transferring and processing this material.

Also refer to Sections 2 and 7.

1

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State/Colour:	PALE YELLOW
Odour:	CHARACTERISTIC
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Boiling point or initial boiling point a range:	and boiling Not determined
Flammability:	Not determined
Lower and upper explosion limit:	Not determined
Flash point:	> 60 °C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not relevant
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	Not determined
Partition coefficient: n-octanol/water value):	r (log Not determined
Vapour pressure:	Not determined
Density and/or relative density:	1.0244 - 1.1244
Relative vapour density:	Not determined
Particle characteristics:	Not determined
9.2 Other information:	None available

Section 10. Stability and reactivity

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.



Page 6 (9) Issue date: 07/11/2023 Version: 1 (10/05/2023)

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

1

Version:

10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

This material does not meet the criteria for classification for health hazards under Regulation (EC) No 1272/2008.

Acute Toxicity:	Based on available data the classification criteria are not met.
Acute Toxicity Oral	>5000
Acute Toxicity Dermal	Not Applicable
Acute Toxicity Inhalation	Not Available
Skin corrosion/irritation:	Based on available data the classification criteria are not met.
Serious eye damage/irritation:	Based on available data the classification criteria are not met.
Respiratory or skin sensitisation:	Based on available data the classification criteria are not met.
Germ cell mutagenicity:	Based on available data the classification criteria are not met.
Carcinogenicity:	Based on available data the classification criteria are not met.
Reproductive toxicity:	Based on available data the classification criteria are not met.
STOT-single exposure:	Based on available data the classification criteria are not met.
STOT-repeated exposure:	Based on available data the classification criteria are not met.
Aspiration hazard:	Based on available data the classification criteria are not met.

Information about hazardous ingredients in the mixture

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
3-ETHYL-3-HYDROXY- 4H-PYRONE-4-ONE	4940-11-8	225-582-5	1200	Not available	Not available	Not available

Refer to Sections 2 and 3 for additional information.

11.2 Information on other hazards

Not Applicable

Section 12. Ecological information

12.1 Toxicity:

Harmful to	aquatic life	with long	lasting e	effects
i lannar to	uquulo mo	with long	idoung .	5110010.

- **12.2 Persistence and degradability:** Not available
- 12.3 Bioaccumulative potential: Not available
- 12.4 Mobility in soil: Not available

12.5 Results of PBT and vPvB assessment:

This substance does not meet the $\mathsf{PBT/vPvB}$ criteria of REACH, annex XIII.



Page 7 (9) Issue date: 07/11/2023 Version: 1 (10/05/2023)

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product:	FN21264	
Version:	1	
12.6 Endocrin 12.7 Other adv	e disrupting properties: verse effects:	Not Applicable Not available

Section 13. Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

	14.1 UN number or ID number:	14.2 UN Proper Shipping Name:	14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
UN Model Regulations	Not classified	-	-	-	-
IMDG	Not classified	-	-	-	-
ADR,RID,ADN	Not classified	-	-	-	-
ΙCAO ΤΙ	Not classified	-	-	-	-

14.5 Environmental hazards:

Not environmentally hazardous for transport

14.6 Special precautions for user: None additional

14.7 Maritime transport in bulk according to IMO instruments:

Not classified

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture None additional

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

Section 16. Other information

Concentration % Limits:	EH C3=10.99%
Total Fractional Values:	EH C3=9.10
Key to revisions:	
Not applicable	
Key to abbreviations:	



Page 8 (9) Issue date: 07/11/2023 Version: 1 (10/05/2023)

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: FN21264

1

Version:

Acute Toxicity - Oral Category 4 EDI 1 Eye Damage / Initiation Category 1 EDI 2 Eye Damage / Initiation Category 1 EDI 2 Eye Damage / Initiation Category 1 EDI 4 Hazardous to the Aquatic Environment - Acute Hazard Category 1 HAT Hazardous to the Aquatic Environment - Long-term Hazard Category 2 EH C1 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 EH C3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 FL3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 FL3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 FL3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 FL3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 FL3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 FL3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 FL4 Harmful If swallowed and enters airways. G130 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 FL4 Causes server eskin burns and eye damage. G1314 Causes server eskin burns and eye damage. G1414 Causes server eskin triation.	Abbreviation	Meaning	
Eye Damage / Irritation Category 1 EDI 2 Eye Damage / Irritation Category 2 EH A1 Hazardous to the Aquatic Environment - Acute Hazard Category 1 HC1 Hazardous to the Aquatic Environment - Long-term Hazard Category 2 EH C2 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 EH C3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 Flammabe Liquid, Hazard Category 3 Flammabe Inquid Regour. 1326 Flammabe Inquid Abzard Category 3 1341 Causes avere skin burns and eye damage. 1315 Causes series exert in traiton. 1316 Causes series exert in traiton. 1317 May cause an allergic skin reaction. 1318 Causes series exert intraiton. 1319 Causes series exert intraiton. 1338 May cause drowsiness or diziness. 1400 Very toxic to aquatic life with long lasting effects. 1411 Toxic to aquatic life with long lasting effects. 1412 Harmful to aquatic life with long lasting effects. 1414 Toxic to aquatic life with long lasting effects. 1420 Keep container tightly closed. 2431 Dave proceutioner yone sagainst static	AH 1	Aspiration Hazard Category 1	
EDI 2 Eye Damage / Initiation Category 2 EH A1 Hazardous to the Aquatic Environment - Acute Hazard Category 1 EH C1 Hazardous to the Aquatic Environment - Long-term Hazard Category 2 EH C2 Hazardous to the Aquatic Environment - Long-term Hazard Category 2 EH C3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 EL 3 Flammable Liquid, Hazard Category 3 1226 Flammable Liquid, Hazard Category 3 1302 Harmul if wallowed. 1302 Harmul if wallowed. 1304 Gauses severe skin burns and eye damage. 1315 Causes severe skin burns and eye damage. 1316 Causes service severe skin trattorn. 1317 May cause an allergic skin reaction. 1318 Causes service severe skin torns. 1400 Very toxic to aquatic life. 1411 Toxic to aquatic life. 1412 Harmful to aquatic life with long lasting effects. 1414 Toxic to aquatic life with long lasting effects. 1412 Harmful to aquatic life with long lasting effects. 1423 Keep avery from hast, sparks, open filames and hot surfaces No smoking.	ATO 4	Acute Toxicity - Oral Category 4	
EH A1 Hazardous to the Aquatic Environment - Acute Hazard Category 1 EH C1 Hazardous to the Aquatic Environment - Long-term Hazard Category 2 EH C2 Hazardous to the Aquatic Environment - Long-term Hazard Category 2 EH C3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 EL 3 Flammable Liquid, Hazard Category 3 1226 Plammable Liquid, Hazard Category 3 1302 Harmful if swallowed. 1304 May be faal if swallowed and enters airways. 1314 Causes server skin burns and eye damage. 1315 Causes server skin burns and eye damage. 1316 Causes server skin burns and eye damage. 1317 May cause an allergic skin reaction. 1318 Causes server skin burns and eye damage. 1400 Very toxic to aquatic life. 1410 Very toxic to aquatic life. 1410 Very toxic to aquatic life. 1411 Toxic to aquatic life with long lasting effects. 1412 Harmful to aquatic life with long lasting effects. 1414 Very toxic to aquatic life with long lasting effects. 1412 Harmful to aquatic life with long lasting effects. 1414 Very toxic to aqua	EDI 1	Eye Damage / Irritation Category 1	
EH C1 Hazardous to the Aquatic Environment - Long-term Hazard Category 1 EH C2 Hazardous to the Aquatic Environment - Long-term Hazard Category 2 EH C3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 Fil a Filemmable Liquid, Hazard Category 3 IZ26 Filemmable liquid and vapour. 1302 Harmful if swallowed. 1304 May be fatal if swallowed and enters airways. 1314 Causes severe skin burns and eye damage. 1315 Causes serious eye inflation. 1316 Causes serious eye inflation. 1317 May cause an allergic skin reaction. 1318 Causes serious eye inflation. 1319 Causes serious eye inflation. 1324 Agy cause an allergic skin reaction. 1410 Very toxic to aquatic life with long lasting effects. 1411 Toxic to aquatic life with long lasting effects. 1412 Harmful to aquatic life with long lasting effects. 1223 Keep container tightly closed. 1224 Use explosion-proof electrical, ventilating and lighting equipment. 1224 Use only non-sparking tools. 1235 Do not treathr vapour or dust.	EDI 2	Eye Damage / Irritation Category 2	
EH C2 Hazardous to the Aquatic Environment - Long-term Hazard Category 2 EH C3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 T, 3 Flammable Liquid, Hazard Category 3 1226 Flammable Liquid, Hazard Category 3 1302 Harmful if swallowed. 1304 May be fatal if swallowed and enters airways. 1314 Causes severe skin burns and eye damage. 1317 May cause an allergic skin reaction. 1318 Causes serious eye irritation. 1319 Causes daves an allergic skin reaction. 1336 May cause drowsiness or dizziness. 1400 Very toxic to aquatic life with long lasting effects. 1411 Toxic to aquatic life with long lasting effects. 1412 Harmful to aquatic life with long lasting effects. 1412 Harmful to aquatic life with long lasting effects. 223 Keep container tightly closed. 224 Use explosion-proof electrical, ventilating and lighting equipment. 2242 Use only non-sparking tools. 2243 Take pracautionary measures against static discharge. 2244 Use only non-sparking tools. 2245 Use only non-sparking tools. <td>EH A1</td> <td colspan="2">Hazardous to the Aquatic Environment - Acute Hazard Category 1</td>	EH A1	Hazardous to the Aquatic Environment - Acute Hazard Category 1	
EH C3 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 FL 3 Flammable Liquid, Hazard Category 3 F226 Flammable Liquid, Hazard Category 3 1302 Harmful If swallowed. 1304 May be fatal if swallowed and enters airways. 1314 Causes servere skin burns and eye damage. 1315 Causes servere skin burns and eye damage. 1316 Causes servere skin burns and eye damage. 1317 May cause an allergic skin reaction. 1338 May cause an allergic skin reaction. 1330 Causes serious eye irritation. 1336 May cause of ovalines or diztness. 1400 Very toxic to aquatic life. 1411 Toxic to aquatic life with long lasting effects. 1411 Toxic to aquatic life with long lasting effects. 1412 Harmful to aquatic life with long lasting effects. 1220 Keep away from heat, sparks, open flames and hot surfaces No smoking. 1233 Keep container tightly closed. 1240 Ground/bond container and receiving equipment. 1241 Use explosion-proof electrical, ventilating and lighting equipment. 1242 Use only on-sparking tools.	EH C1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1	
Flammable Liquid, Hazard Category 3 4226 Flammable liquid and vapour. 4302 Harmful if swallowed. 4304 May be fatal if swallowed and enters airways. 4314 Causes server skin burns and eye damage. 4315 Causes skin initiation. 4317 May cause an allergic skin reaction. 4318 Causes serious eye irritation. 4319 Causes serious eye irritation. 4336 May cause drowsiness or dizziness. 4400 Very toxic to aquatic life with long lasting effects. 4410 Very toxic to aquatic life with long lasting effects. 4411 Toxic to aquatic life with long lasting effects. 4412 Harmful to aquatic life with long lasting effects. 4224 Harmful to aquatic life with long lasting effects. 4241 Exept on thant, sparks, open flames and hot surfaces No smoking. 4224 Ground/bond container and receiving equipment. 4241 Use explosion-proof electrical, ventilating and lighting equipment. 4242 Use only non-sparking tools. 4241 Use explosion-proof electrical, ventilating and lighting equipment. 4242 Use only non-sparking tools. 4	EH C2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2	
Flammable liquid and vapour. 1302 Harmful if swallowed. 1304 May be fatal if swallowed and enters airways. 1314 Causes severe skin burns and eye damage. 1315 Causes ses skin irritation. 1317 May cause an allergic skin reaction. 1319 Causes serious eye irritation. 1336 May cause drowsiness or dizziness. 1400 Very toxic to aquatic life with long lasting effects. 1411 Toxic to aquatic life with long lasting effects. 1412 Harmful to aquatic life with long lasting effects. 1411 Toxic to aquatic life with long lasting effects. 1422 Harmful to aquatic life with long lasting effects. 1411 Toxic to aquatic life with long lasting effects. 1421 Harmful to aquatic life with long lasting effects. 1421 Harmful to aquatic life with long lasting effects. 1422 Harmful to aquatic life with long lasting effects. 1424 Harmful to aquatic life with long lasting equipment. 1224 Use only non-sparking tools. 1241 Use explosion-proof electrical, ventilating and lighting equipment. 1242 Use only non-sparking tools. <	EH C3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3	
Harmful if swallowed. Harmful if swallowed. Harmful if swallowed and enters airways. Causes server skin burns and eye damage. Causes skin irritation. May cause an allergic skin reaction. Harmful if swallowed even skin burns and eye damage. Causes serious eye irritation. Harmful if swallowed even serious eye irritation. Harmful if a causes are allergic skin reaction. Harmful if a cause an allergic skin reaction. Harmful if a cause skin irritation. Harmful if a cause struct iffe with long lasting effects. Harmful to aquatic life with long lasting effects. False Keep away from heat, sparks, open flames and hot surfaces No smoking. P240 Ground/bond container and receiving equipment. P241 Use explosion-proof electrical, ventilating and lighting equipment. P242 Use only non-sparking tools.	FL 3	Flammable Liquid, Hazard Category 3	
1304May be fatal if swallowed and enters airways.1314Causes severe skin burns and eye damage.1315Causes skin irritation.1317May cause an allergic skin reaction.1319Causes serious eye irritation.1336May cause drowsiness or dizziness.1400Very toxic to aquatic life.1411Toxic to aquatic life with long lasting effects.1412Harmful to aquatic life with long lasting effects.2210Keep away from heat, sparks, open flames and hot surfaces No smoking.2233Keep container tightly closed.2240Ground/bond container and receiving equipment.2241Use explosion-proof electrical, ventilating and lighting equipment.2242Use only non-sparking tools.2243Take precautionary measures against static discharge.2264Avoid breathing vapour or dust.2270Do not treat, drink or smoke when using this product.2271Use only outdoors or in a well-ventilated area.2272Contaminated work clothing should not be allowed out of the workplace.2273Avoid release to the environment.2280Wear protective gloves/eye protection/ace protection.2301/310IF SWALLOWED: call a POISON CENTER or doctor/physician.2301/310IF SWALLOWED: call a POISON CENTER or doctor/physician.	H226	Flammable liquid and vapour.	
314 Causes severe skin burns and eye damage. 4315 Causes skin irritation. 4317 May cause an allergic skin reaction. 4319 Causes serious eye irritation. 4336 May cause an allergic skin reaction. 4336 May cause drowsiness or dizziness. 4400 Very toxic to aquatic life. 4410 Very toxic to aquatic life with long lasting effects. 4411 Toxic to aquatic life with long lasting effects. 4412 Harmful to aquatic life with long lasting effects. 2210 Keep away from heat, sparks, open flames and hot surfaces No smoking. 2233 Keep container tightly closed. 2240 Ground/bond container and receiving equipment. 2241 Use explosion-proof electrical, ventilating and lighting equipment. 2242 Use only non-sparking tools. 2243 Take precautionary measures against static discharge. 2260 Do not breatthe vapour or dust. 2270 Do not eat, drink or smoke when using this product. 2271 Use only outdoors or in a well-ventilated area. 2272 Contaminated work clothing should not be allowed out of the workplace. 2271 Use only outdoors or in	H302	Harmful if swallowed.	
315 Causes skin irritation. 4317 May cause an allergic skin reaction. 4319 Causes serious eye irritation. 4336 May cause drowsiness or dizziness. 4400 Very toxic to aquatic life. 4410 Very toxic to aquatic life with long lasting effects. 4411 Toxic to aquatic life with long lasting effects. 4412 Harmful to aquatic life with long lasting effects. 4210 Keep away from heat, sparks, open flames and hot surfaces No smoking. 2233 Keep container tightly closed. 2240 Ground/bond container and receiving equipment. 2241 Use explosion-proof electrical, ventilating and lighting equipment. 2242 Use only non-sparking tools. 2243 Take precautionary measures against static discharge. 2260 Do not breather vapour or dust. 2261 Avoid breathing vapour or dust. 2271 Do not eat, drink or smoke when using this product. 2272 Contaminated work clothing should not be allowed out of the workplace. 2273 Avoid release to the environment. 2280 Wear protective gloves/eye protection/face protection. 2301/310 IF SWALLOWED: Immediately	H304	May be fatal if swallowed and enters airways.	
May cause an allergic skin reaction.1319Causes serious eye irritation.1336May cause drowsiness or dizziness.1400Very toxic to aquatic life.1411Very toxic to aquatic life with long lasting effects.1411Toxic to aquatic life with long lasting effects.1412Harmful to aquatic life with long lasting effects.1411Toxic to aquatic life with long lasting effects.1412Harmful to aquatic life with long lasting effects.1412Keep away from heat, sparks, open flames and hot surfaces No smoking.2233Keep container tightly closed.2240Ground/bond container and receiving equipment.2241Use explosion-proof electrical, ventilating and lighting equipment.2242Use only non-sparking tools.2243Take precautionary measures against static discharge.2260Do not breathe vapour or dust.2264Wash hands and other contacted skin thoroughly after handling.2271Use only outdoors or in a well-ventilated area.2272Contaminated work clothing should not be allowed out of the workplace.2273Avoid release to the environment.2280Wear protective gloves/eye protection/face protection.2281Is SWALLOWED: Immediately call a POISON CENTER or doctor/physician.233Fe SWALLOWED: all a POISON CENTER or doctor/physician.234Fi swallowed: Rinse mouth. Do not induce vonting.	H314	Causes severe skin burns and eye damage.	
319Causes serious eye irritation.4336May cause drowsiness or dizziness.4400Very toxic to aquatic life.4410Very toxic to aquatic life with long lasting effects.4411Toxic to aquatic life with long lasting effects.4412Harmful to aquatic life with long lasting effects.2413Keep away from heat, sparks, open flames and hot surfaces No smoking.2233Keep container tightly closed.2240Ground/bond container and receiving equipment.2241Use explosion-proof electrical, ventilating and lighting equipment.2242Use only non-sparking tools.2243Take precautionary measures against static discharge.2260Do not breather vapour or dust.2261Avoid breathing vapour or dust.2264Use only outdoors or in a well-ventilated area.2270Do not eat, drink or smoke when using this product.2271Use enly outdoors or in a well-ventilated area.2272Contaminated work clothing should not be allowed out of the workplace.273Avoid release to the environment.274Vear protective gloves/eye protection.275If SWALLOWED: Immediately call a POISON CENTER or doctor/physician.270If SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.270If swallowed: Rinse mouth. Do not induce vomiting.	H315	Causes skin irritation.	
HashMay cause drowsiness or dizziness.H400Very toxic to aquatic life.H410Very toxic to aquatic life with long lasting effects.H411Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.P210Keep away from heat, sparks, open flames and hot surfaces No smoking.P233Keep container tightly closed.P240Ground/bond container and receiving equipment.P241Use explosion-proof electrical, ventilating and lighting equipment.P242Use only non-sparking tools.P243Take precautionary measures against static discharge.P260Do not breathe vapour or dust.P261Avoid breathing vapour or dust.P272Do not ead, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P272Contaminated work clothing should not be allowed out of the workplace.P273Avoid release to the environment.P280Wear protective gloves/eye protection/face protection.P301/310IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician,P301/331If swallowed: Rinse mouth. Do not induce vomiting.	H317	May cause an allergic skin reaction.	
4400Very toxic to aquatic life.4410Very toxic to aquatic life with long lasting effects.4411Toxic to aquatic life with long lasting effects.4412Harmful to aquatic life with long lasting effects.4412Keep away from heat, sparks, open flames and hot surfaces No smoking.2233Keep container tightly closed.2240Ground/bond container and receiving equipment.2241Use explosion-proof electrical, ventilating and lighting equipment.2242Use only non-sparking tools.2243Take precautionary measures against static discharge.2260Do not breathe vapour or dust.2261Avoid breathing vapour or dust.2264Wash hands and other contacted skin thoroughly after handling.2270Do not eat, drink or smoke when using this product.2271Use only outdoors or in a well-ventilated area.2272Contaminated work clothing should not be allowed out of the workplace.2273Avoid release to the environment.2280Wear protective gloves/eye protection/face protection.230//310IF SWALLOWED: call a POISON CENTER or doctor/physician.231/312If swallowed: Rinse mouth. Do not induce vomiting.	H319	Causes serious eye irritation.	
4410Very toxic to aquatic life with long lasting effects.4411Toxic to aquatic life with long lasting effects.4412Harmful to aquatic life with long lasting effects.4210Keep away from heat, sparks, open flames and hot surfaces No smoking.4233Keep container tightly closed.4240Ground/bond container and receiving equipment.4241Use explosion-proof electrical, ventilating and lighting equipment.4242Use only non-sparking tools.4243Take precautionary measures against static discharge.4260Do not breathe vapour or dust.4261Avoid breathing vapour or dust.4264Wash hands and other contacted skin thoroughly after handling.4270Do not eat, drink or smoke when using this product.4271Use only outdoors or in a well-ventilated area.4272Contaminated work clothing should not be allowed out of the workplace.4273Avoid release to the environment.4274Use only couldoers or in a well-ventilated area.4275Contaminated work clothing should not be allowed out of the workplace.4276Wear protective gloves/eye protection/face protection.4271IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.4272IF Swallowed: Rinse mouth. Do not induce vomiting.	Н336	May cause drowsiness or dizziness.	
Hat11Toxic to aquatic life with long lasting effects.H412Harmful to aquatic life with long lasting effects.2210Keep away from heat, sparks, open flames and hot surfaces No smoking.2233Keep container tightly closed.2240Ground/bond container and receiving equipment.2241Use explosion-proof electrical, ventilating and lighting equipment.2242Use only non-sparking tools.2243Take precautionary measures against static discharge.2260Do not breathe vapour or dust.2261Avoid breathing vapour or dust.2264Wash hands and other contacted skin thoroughly after handling.2270Do not eat, drink or smoke when using this product.2271Use only outdoors or in a well-ventilated area.2272Contaminated work clothing should not be allowed out of the workplace.2273Avoid release to the environment.2280Wear protective gloves/eye protection/face protection.2901/310IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.291/320/331If swallowed: Rinse mouth. Do not induce vomiting.	H400	Very toxic to aquatic life.	
Harmful to aquatic life with long lasting effects.2210Keep away from heat, sparks, open flames and hot surfaces No smoking.2233Keep container tightly closed.2240Ground/bond container and receiving equipment.2241Use explosion-proof electrical, ventilating and lighting equipment.2242Use only non-sparking tools.2243Take precautionary measures against static discharge.2260Do not breathe vapour or dust.2261Avoid breathing vapour or dust.2264Wash hands and other contacted skin thoroughly after handling.2270Do not eat, drink or smoke when using this product.2271Use only outdoors or in a well-ventilated area.2272Contaminated work clothing should not be allowed out of the workplace.2273Avoid release to the environment.2280Wear protective gloves/eye protection/face protection.291/310IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.291/321If swallowed: Rinse mouth. Do not induce voniting.	H410	Very toxic to aquatic life with long lasting effects.	
P210Keep away from heat, sparks, open flames and hot surfaces No smoking.P233Keep container tightly closed.P240Ground/bond container and receiving equipment.P241Use explosion-proof electrical, ventilating and lighting equipment.P242Use only non-sparking tools.P243Take precautionary measures against static discharge.P260Do not breathe vapour or dust.P261Avoid breathing vapour or dust.P264Wash hands and other contacted skin thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P272Contaminated work clothing should not be allowed out of the workplace.P273Avoid release to the environment.P280Wear protective gloves/eye protection/face protection.P301/310IF SWALLOWED: call a POISON CENTER or doctor/physician.P301/331If swallowed: Rinse mouth. Do not induce vomiting.	H411	Toxic to aquatic life with long lasting effects.	
P2233Keep container tightly closed.P240Ground/bond container and receiving equipment.P241Use explosion-proof electrical, ventilating and lighting equipment.P242Use only non-sparking tools.P243Take precautionary measures against static discharge.P260Do not breathe vapour or dust.P261Avoid breathing vapour or dust.P264Wash hands and other contacted skin thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P272Contaminated work clothing should not be allowed out of the workplace.P273Avoid release to the environment.P280Wear protective gloves/eye protection/face protection.P301/310IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.P301/331If swallowed: Rinse mouth. Do not induce vomiting.	H412	Harmful to aquatic life with long lasting effects.	
P240Ground/bond container and receiving equipment.P241Use explosion-proof electrical, ventilating and lighting equipment.P242Use only non-sparking tools.P243Take precautionary measures against static discharge.P260Do not breathe vapour or dust.P261Avoid breathing vapour or dust.P264Wash hands and other contacted skin thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P272Contaminated work clothing should not be allowed out of the workplace.P273Avoid release to the environment.P280Wear protective gloves/eye protection/face protection.P301/310IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.P301/330/331If swallowed: Rinse mouth. Do not induce vomiting.	P210	Keep away from heat, sparks, open flames and hot surfaces No smoking.	
P241Use explosion-proof electrical, ventilating and lighting equipment.P242Use only non-sparking tools.P243Take precautionary measures against static discharge.P260Do not breathe vapour or dust.P261Avoid breathing vapour or dust.P264Wash hands and other contacted skin thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P272Contaminated work clothing should not be allowed out of the workplace.P273Avoid release to the environment.P280Wear protective gloves/eye protection/face protection.P301/310IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.P301/330/331If swallowed: Rinse mouth. Do not induce vomiting.	P233	Keep container tightly closed.	
P242Use only non-sparking tools.P243Take precautionary measures against static discharge.P260Do not breathe vapour or dust.P261Avoid breathing vapour or dust.P264Wash hands and other contacted skin thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P272Contaminated work clothing should not be allowed out of the workplace.P273Avoid release to the environment.P280Wear protective gloves/eye protection/face protection.P301/310IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.P301/330/331If swallowed: Rinse mouth. Do not induce vomiting.	P240	Ground/bond container and receiving equipment.	
P243Take precautionary measures against static discharge.P260Do not breathe vapour or dust.P261Avoid breathing vapour or dust.P264Wash hands and other contacted skin thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P272Contaminated work clothing should not be allowed out of the workplace.P273Avoid release to the environment.P280Wear protective gloves/eye protection/face protection.P301/310IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.P301/330/331If swallowed: Rinse mouth. Do not induce vomiting.	P241	Use explosion-proof electrical, ventilating and lighting equipment.	
Do not breathe vapour or dust.2260Do not breathe vapour or dust.2261Avoid breathing vapour or dust.2264Wash hands and other contacted skin thoroughly after handling.2270Do not eat, drink or smoke when using this product.2271Use only outdoors or in a well-ventilated area.2272Contaminated work clothing should not be allowed out of the workplace.2273Avoid release to the environment.280Wear protective gloves/eye protection/face protection.2301/310IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.2301/312If swallowed: Rinse mouth. Do not induce vomiting.	P242	Use only non-sparking tools.	
P261Avoid breathing vapour or dust.P264Wash hands and other contacted skin thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P272Contaminated work clothing should not be allowed out of the workplace.P273Avoid release to the environment.P280Wear protective gloves/eye protection/face protection.P301/310IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.P301/331If swallowed: Rinse mouth. Do not induce vomiting.	P243	Take precautionary measures against static discharge.	
P264Wash hands and other contacted skin thoroughly after handling.P270Do not eat, drink or smoke when using this product.P271Use only outdoors or in a well-ventilated area.P272Contaminated work clothing should not be allowed out of the workplace.P273Avoid release to the environment.P280Wear protective gloves/eye protection/face protection.P301/310IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.P301/312If SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.P301/330/331If swallowed: Rinse mouth. Do not induce vomiting.	P260	Do not breathe vapour or dust.	
P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/eye protection/face protection. P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P301/312 IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell. P301/330/331 If swallowed: Rinse mouth. Do not induce vomiting.	P261	Avoid breathing vapour or dust.	
P271Use only outdoors or in a well-ventilated area.P272Contaminated work clothing should not be allowed out of the workplace.P273Avoid release to the environment.P280Wear protective gloves/eye protection/face protection.P301/310IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.P301/312IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.P301/330/331If swallowed: Rinse mouth. Do not induce vomiting.	P264	Wash hands and other contacted skin thoroughly after handling.	
P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/eye protection/face protection. P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P301/312 IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell. P301/330/331 If swallowed: Rinse mouth. Do not induce vomiting.	P270	Do not eat, drink or smoke when using this product.	
P273 Avoid release to the environment. P280 Wear protective gloves/eye protection/face protection. P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P301/312 IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell. P301/330/331 If swallowed: Rinse mouth. Do not induce vomiting.	P271	Use only outdoors or in a well-ventilated area.	
P280 Wear protective gloves/eye protection/face protection. P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P301/312 IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell. P301/330/331 If swallowed: Rinse mouth. Do not induce vomiting.	P272	Contaminated work clothing should not be allowed out of the workplace.	
P301/310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P301/312 IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell. P301/330/331 If swallowed: Rinse mouth. Do not induce vomiting.	P273	Avoid release to the environment.	
P301/312 IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell. P301/330/331 If swallowed: Rinse mouth. Do not induce vomiting.	P280	Wear protective gloves/eye protection/face protection.	
P301/330/331 If swallowed: Rinse mouth. Do not induce vomiting.	P301/310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.	
	P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.	
2302/352 IF ON SKIN: Wash with plenty of soap and water.	P301/330/331	If swallowed: Rinse mouth. Do not induce vomiting.	
	P302/352	IF ON SKIN: Wash with plenty of soap and water.	
P303/361/353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.	P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.	



In accordance with REACH Regulation EC No.1907/2006

1

Version:

P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.	
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
P310	Immediately call a POISON CENTER or doctor/physician.	
P330	Rinse mouth.	
P331	Do not induce vomiting.	
P333/313	If skin irritation or rash occurs: Get medical advice/attention.	
P337/313	If eye irritation persists: Get medical advice/attention.	
P362	Take off contaminated clothing and wash before reuse.	
P363	Wash contaminated clothing before reuse.	
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.	
P391	Collect spillage.	
P403/233	Store in a well-ventilated place. Keep container tightly closed.	
P403/235	Store in a well-ventilated place. Keep cool.	
P405	Store locked up.	
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.	
SCI 1B	Skin Corrosion / Irritation Category 1B	
SCI 2	Skin Corrosion / Irritation Category 2	
SENSFREE	SENSITISER	
SS 1	Sensitization - Skin Category 1	
SS 1B	Sensitization - Skin Category 1B	
STO-SE 3(NE)	Specific Target Organ Toxicity (Single Exposure) Category 3	

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.